

MOTION PLATFORM

QS-S35

6 DOF



The QS-S35 has the largest motion envelope in the Qubic line. Its 300 mm actuator stroke gives the widest heave range of any compact QS platform - enough to reproduce full cornering forces and heavy turbulence without clipping, so what is felt matches what is seen even during extreme maneuvers. Built for dedicated sim rooms and commercial training centers.

WHY QS-S35



Unleashed Performance

300 mm stroke for the most realistic motion experience



Commercial Grade

Built for training centers and professional sim rooms



Full Motion Envelope

Three times the heave range of any compact 6DOF



Industrial Endurance

Built for commercial duty in training centers and professional sim rooms.

6DOF

ARCHITECTURE

250kg

PAYLOAD

300mm

ACTUATOR STROKE

475kg

SET WEIGHT

0-60Hz

VIBRATIONS

WHAT TO EXPECT

RACING SIMULATION

- › Full cornering force reproduction
- › Extended traction loss sensation
- › Continuous motion without clipping
- › Multi-axis combined dynamics

FLIGHT & TRAINING

- › Full turbulence envelope
- › Realistic spatial disorientation cues
- › Extended G-force range
- › Extended sustained-motion cues

COMPATIBLE WITH

- QS-BT1 Belt Tensioner
- Most Sim Racing Accessories
- Flight Simulation Peripherals
- Commercial Training Systems

SPECIFICATIONS

SYSTEM PERFORMANCE	SINGLE EXCURSION	MAX EXCURSION	VELOCITY	ACCELERATION
Heave	-169.9 / +173.3 mm	-169.9 / +173.3 mm	400 mm/s	5001 mm/s ²
Surge	-306.2 / +283.2 mm	±365 mm	700 mm/s	7453 mm/s ²
Sway	±270.2 mm	±317 mm	700 mm/s	7453 mm/s ²
Pitch	±14.3°	±18.6°	35°/s	350°/s ²
Roll	±15.8°	±16.6°	35°/s	450°/s ²
Yaw	±22.9°	±27°	60°/s	700°/s ²
SPECIFICATIONS				
Payload	250 kg			
Product Weight	475 kg			
Vibration Range	0-60 Hz			
Supply Voltage	220-240V, 50-60Hz			
Max Power	3.2 kVA			
Noise Level	74.6-77.6 dB (dedicated room recommended)			
Max Velocity	700 mm/s			
Max Acceleration	0.76 G			
Stroke	300 mm			
Latency	<8 ms			

DIMENSIONS	
Diameter	2056 mm
Max Height	2046 mm
Total Width	2013 mm
Total Length	1912 mm
Min Height	1703 mm
POWER DRAW	VALUE
Average power	2.1 kVA
Peak power	3.3 kVA
Average current	10 A
Peak current	19 A
Avg power - stress test	1.1 kW
Avg power - typical game	0.3 kW

WHAT'S IN THE BOX?

QS-S35 Motion Platform

- 6x industrial-grade linear actuators
- Upper and bottom frame
- Monitor mounting brackets
- Transport wheels

Accessories

- Motion controller
- Motion-Lock
- Main power switch
- Set of cables



PRODUCT



MANUAL